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FULL VERSION OF PENDING CLAIMS

1	Claim 1 (currently amended): A negative ion emitting apparatus comprising:
2	a DC high-voltage power supply section;
3	at least one discharge electrode section connected to the DC high-voltage power
4	supply section for emitting negatively charged electrons, the discharge electrode section having a
5	proximal end and a distal end; and
6	at least one load resistance section arranged between said DC high-voltage power
7	supply section and said discharge electrode section so as to restrict flowing of electrons from
8	said DC high-voltage power supply section to said discharge electrode section until a
9	predetermined voltage is applied,
10	wherein the discharge electrode section is operatively connected at a proximal end
11	to a load resistance section so that current flows from the DC high-voltage power supply section
12	through the load resistance section to the proximal end of each discharge electrode section
13	causing negatively charged electrons to be emitted from a distal end of the discharge electrode
14	section.
1	Claim 2 (original): A negative ion emitting apparatus as defined in claim 1, wherein said
2	DC high-voltage power supply section is connected to said load resistance section and discharge
3	electrode section through a high-voltage wiring.
1	Claim 3 (currently amended): A negative ion emitting apparatus as defined in claim 1,
2	wherein said discharge electrode section is constituted by a needle electrode which is formed to

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- be pointed at a the distal end thereof with an acute angle to a longitudinal axis of the needle
 electrode.
- Claim 4 (previously amended): A negative ion emitting apparatus as defined in claim 2,
 wherein said discharge electrode section is constituted by a needle electrode.
- Claim 5 (original): A negative ion emitting apparatus as defined in claim 1, wherein the amount of negative ions emitted is varied by varying a load resistance of said load resistance section.
- 1 Claim 6 (original): A negative ion emitting apparatus as defined in claim 2, wherein the 2 amount of negative ions emitted is varied by varying a load resistance of said load resistance 3 section.
- 1 Claim 7 (original): A negative ion emitting apparatus as defined in claim 3, wherein the 2 amount of negative ions emitted is varied by varying a load resistance of said load resistance 3 section.
- Claim 8 (original): A negative ion emitting apparatus as defined in claim 4, wherein the amount of negative ions emitted is varied by varying a load resistance of said load resistance section.
- Claim 9 (original): A negative ion emitting apparatus as defined in claim 1, wherein a plurality of said discharge electrode sections are arranged;

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3	a distributor is arranged between said discharge electrode sections and said DC
4	high-voltage power supply section and provided therein with an additional load resistance
5	section; and
6	said DC high-voltage power supply section and said discharge electrode sections
7	are connected to said distributor.
1	Claim 10 (original): A negative ion emitting apparatus as defined in claim 2, wherein a
2	plurality of said discharge electrode sections are arranged;
3	a distributor is arranged between said discharge electrode sections and said DC
4	high-voltage power supply section and provided therein with an additional load resistance
5	section; and
6	said DC high-voltage power supply section and said discharge electrode sections
7	are connected to said distributor.
1	Claim 11 (original): A negative ion emitting apparatus as defined in claim 3, wherein a
2	plurality of said discharge electrode sections are arranged;
3	a distributor is arranged between said discharge electrode sections and said DC
4	high-voltage power supply section and provided therein with an additional load resistance
5	section; and
6	said DC high-voltage power supply section and said discharge electrode sections
7	are connected to said distributor.
1	Claim 12 (original): A negative ion emitting apparatus as defined in claim 4, wherein a
2	plurality of said discharge electrode sections are arranged;

3	a distributor is arranged between said discharge electrode sections and said DC
4	high-voltage power supply section and provided therein with an additional load resistance
5	section; and
6	said DC high-voltage power supply section and said discharge electrode sections
7	are connected to said distributor.
1	Claim 13 (original): A negative ion emitting apparatus as defined in claim 5, wherein a
2	plurality of said discharge electrode sections are arranged;
3	a distributor is arranged between said discharge electrode sections and said DC
4	high-voltage power supply section and provided therein with an additional load resistance
5	section; and
6	said DC high-voltage power supply section and said discharge electrode sections
7	are connected to said distributor.
1	Claim 14 (original): A negative ion emitting apparatus as defined in claim 6, wherein a
2	plurality of said discharge electrode sections are arranged;
3	a distributor is arranged between said discharge electrode sections and said DC
4	high-voltage power supply section and provided therein with an additional load resistance
5	section; and
5	said DC high-voltage power supply section and said discharge electrode sections
7	are connected to said distributor.
1	Claim 15 (original): A negative ion emitting apparatus as defined in claim 7, wherein a
2	plurality of said discharge electrode sections are arranged;

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a distributor is arranged between said discharge electrode sections and said DC

high-voltage power supply section and provided therein with an additional load resistance

section; and

said DC high-voltage power supply section and said discharge electrode sections are connected to said distributor.

Claim 16 (original): A negative ion emitting apparatus as defined in claim 8, wherein a plurality of said discharge electrode sections are arranged;

a distributor is arranged between said discharge electrode sections and said DC high-voltage power supply section and provided therein with an additional load resistance section; and

said DC high-voltage power supply section and said discharge electrode sections ar connected to said distributor.

Claim 17 (currently amended): A negative ion emitting method comprising the step of connecting at least one load resistance section between a DC high-voltage power supply section and at least one discharge electrode section having a proximal end and a distal end, to thereby restrict flowing of electrons from said DC high-voltage power supply section to said discharge electrode section for enabling an emission of negative ions from said discharge electrode section, wherein said discharge electrode section is operatively connected at a proximal end to said load resistance section so that current flows from said DC high-voltage power supply section through said load resistance section to the proximal end of said discharge electrod section causing negatively charged electrons to be emitted from the distal end of said discharge electrode section.

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1	Claim 18 (previously amended): A negative ion emitting apparatus as in claim 3 wherein
2	the load resistance section includes carbon having a resistance of 20 Ω and the DC high-voltage
3	power supply section to provide 5kV.
1	Claim 19 (previously added): A negative ion emitting apparatus as in Claim 9 wherein
2	the load resistance section is carbon in each of said discharge electrode sections and the
3	additional load resistance section in the distributor is carbon.
1	Claim 20 (previously amended): A negative ion emitting apparatus as in claim 19
2	wherein the respective carbon sections have a resistance of 20 Ω and the DC high-voltage power
3	supply section provides 5kV.
1	Claim 21 (currently amended): A negative ion emitting apparatus comprising:
2	a DC high-voltage power supply section;
3	a first needle point metal electrode; and
4	a first load resistance section including carbon of approximately 20 Ω connecting
5	the DC high-voltage power supply section to limit the first needle point metal electrode from
σ	emitting negative ions until a predetermined voltage is applied by the DC high-voltage power
7	supply section, whereby at the predetermined voltage the negative ions are forcibly emitted in a
8	non-thermal manner.
1	Claim 22 (previously added): A negative ion emitting apparatus as in Claim 21 wherein
2	a second needle point metal electrode and a second load resistance section including carbon is

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connected to the DC high-voltage power supply section and a common load resistance section is

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- 4 connected to the respective first and second load resistance sections in series with the DC high-
- 5 voltage power supply section.